

Abstract

A bicycle braking device includes a second drive assembly between the crankshaft and the rear axle of the bicycle. The second drive assembly includes a chain drive and pair of engaged gears for reversing the direction of rotation of the crankshaft with respect to the rear axle when the second drive is engaged. The device further includes a clutch for selectively engaging or disengaging the assembly. When the bicycle is moving forward and the second drive is engaged, the pedals will rotate in reverse of the direction of rotation required to propel the bicycle forward. A bicycle rider can apply force through his feet and legs against the rotating pedals to thereby slow and stop a moving bicycle.